

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i> <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 10px auto;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">PATENT &amp; TRADEMARK OFFICE</div> <div style="text-align: center;">JUN 05 2006</div> </div>				Docket Number (Optional) <b>HOI-14402/16</b>		Application Number <b>10/563,976</b>		
				Applicant(s) <b>Sorensen et al.</b>				
				Filing Date <b>1/9/2006</b>		Group Art Unit <b>Unknown</b>		
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/K.M./		US 5,686,070	11/11/1997	Doerschuk et al.				
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							YES	NO
/K.M./		WO 02/0902017 A2	21/11/2002	WIPO				
/K.M./		WO 02/079254 A1	10/10/2002	WIPO				
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
/K.M./		ALEXANDER, "Immunization of mice with pneumolysin toxoid confers a significant degree of protection against at least nine serotypes of Streptococcus pneumoniae", Infection and Immunity, Dec., 1994, p. 5683-5688.						
/K.M./		ALONSODEVELASCO, "Streptococcus pneumoniae: Virulence Factors, Pathogenesis, and Vaccines", Microbiological Reviews, Dec. 1995, p. 591-603.						
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/K.M./		Anonymous, "Acute Respiratory Infections in Under-fives: 15 Million Deaths a Year", The Lancet, Sept. 28, 1985, 2:699-701						
/K.M./		AU et al., "Evaluation of the Role of the Pneumococcal Forssman Antigen (F-Polysaccharide) in the Cross-Serotype Protection Induced by Pneumococcal Subcellular Preparations", Infection and Immunity, Jan. 1981, p. 169-173, Vol. 31, No. 1.						
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/K.M./		BERRY et al., "Contribution of Autolysin to Virulence of Streptococcus pneumoniae", Infection and Immunity, August 1989, p. 2324-2330, Vol 57, No. 8..	
/K.M./		BRILES et al., "Mouse Antibody to Phosphocholine Can Protect Mice from Infection with Mouse-Virulent Human Isolates of Streptococcus pneumoniae", Infection and Immunity, May 1992, p. 1957-1962, Vol. 60, No. 5.	

  

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/K.M./		CAMARA et al., "A Neuraminidase from Streptococcus pneumoniae Has the Features of a Surface Protein", Infection and Immunity, Sept. 1994, p. 3688-3695, Vol. 62, No. 9.	
/K.M./		CRAIN et al., "Pneumococcal Surface Protein A (PspA) Is Serologically Highly Variable and Is Expressed by All Clinically Important Capsular Serotypes of Streptococcus pneumoniae", Infection and Immunity, Oct. 1990, p. 3293-3299, Vol. 58, No. 10.	

  

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/K.M./		CROOK et al., "Immunoreactivity of Five Monoclonal Antibodies against the 37-Kilodalton Common Cell Wall Protein (PsaA) of Streptococcus pneumoniae, Clinical and Diagnostic Laboratory Immunology, Mar. 1998, p. 205-210, Vol. 5, No. 2.	
/K.M./		DE, B.K. et al., "Baculovirus Expression, Purification and Evaluation of Recombinant Pneumococcal Surface Adhesin A of Streptococcus pneumoniae, Pathobiology, 1999;67:115-122.	

  

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/K.M./		TOYOS et al., "Functional Analysis of Pneumolysin by Use of Monoclonal Antibodies", Infection and Immunity, Feb. 1996, p. 480-484, Vol. 64, No. 2.						
/K.M./		GILLESPIE et al., "Species of Alpha-Hemolytic Streptococci Possessing a C-Polysaccharide Phosphorylcholine-Containing Antigen", Infection and Immunity, July 1993, p. 3076-3077, Vol. 61, No. 7.						
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/K.M./		KUO et al., "Characterization of a Recombinant Pneumolysin and Its Use as a Protein Carrier for Pneumococcal Type 18C Conjugate Vaccines", Infection and Immunity, July 1995, p. 2706-2713, Vol. 63, No. 7.						
/K.M./		LEE et al., "Immunologic Epitope, Gene, and Immunity Involved in Pneumococcal Glycoconjugate", Critical Reviews in Microbiology, 23(2):121-142 (1997).						
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/K.M./		LOCK et al., "Comparative efficacy of pneumococcal neuraminidase and pneumolysin as immunogens protective against Streptococcus pneumoniae", Microbial Pathogenesis 1988; 5: 461-467.					
/K.M./		LOMHOLT, "Evidence of Recombination and an Antigenically Diverse Immunoglobulin A1 Protease among Strains of Streptococcus pneumoniae", Infection and Immunity, Nov. 1995, p. 4238-4243, Vol. 63, No. 11.					
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/K.M./		McDANIEL et al., "Monoclonal Antibodies Against Protease-Sensitive Pneumococcal Antigens Can Protect Mice From Fatal Infection With Streptococcus Pneumoniae", J.Exp.Med. 1984.Aug.1. 160:368-397.						
/K.M./		McDANIEL et al., "PspA, a Surface Protein of Streptococcus pneumoniae, Is Capable of Eliciting Protection against Pneumococci of More Than One Capsular Type", Infection and Immunity, Jan. 1991, p. 222-228, Vol. 59, No. 1.						
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/K.M./		MITCHELL et al., "Comparison of pneumolysin genes and proteins from Streptococcus pneumoniae types 1 and 2", Nucleic Acids Research, Vol. 18, No. 13, May 11, 1990.	
/K.M./		NIELSEN et al., "Antibodies against pneumococcal C-polysaccharide are not protective", Microbial Pathogenesis 1993; 14: 299-305.	

  

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/K.M./		PATON et al., "Effect of Immunization with Pneumolysin on Survival Time of Mice Challenged with Streptococcus Pneumoniae", Infection and Immunity, May 1983, p. 548-552, Vol. 40, No. 2	
/K.M./		PATON et al., "Purification and Immunogenicity of Genetically Obtained Pneumolysin Toxoids and Their Conjugation to Streptococcus pneumoniae Type 19F Polysaccharide", Infection and Immunity, July 1991, p. 2297-2304, Vol. 59, No. 7.	

  

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/K.M./		SAMPSON et al., "Limited Diversity of Streptococcus pneumoniae psaA among Pneumococcal Vaccine Serotypes", Infection and Immunity, May 1997, p. 1967-1971, Vol. 65, No. 5.						
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/K.M./		SORENSEN, "Pneumococcal polysaccharide antigens: capsules and C-polysaccharide", Danish Medical Bulletin, p.47-53	

  

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/K.M./		SWIATLO, et al., "DNA Polymorphisms and Variant Penicillin-Binding Proteins as Evidence that Relatively Penicillin-Resistant Pneumococci in Western Canada Are Clonally Related", J.Infect.Dis. 174:884-888.						
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/K.M./		TAI et al., "Characterization of Hemin Binding Activity of Streptococcus pneumoniae", Infection and Immunity, Mar. 1997, p. 1083-1087, Vol. 65, No. 3.						
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*EXAMINER INITIAL	OTHER DOCUMENTS	(Including Author, Title, Date, Pertinent Pages, Etc.)
/K.M./		TALKINGTON et al., "A 43-Kilodalton Pneumococcal Surface Protein, PspA: Isolation, Protective Abilities, and Structural Analysis of the Amino-Terminal Sequence", Infection and Immunity, April 1991, p. 1285-1289, Vol. 59, No. 4.
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		PILISHVILI et al., "Neutralization of Attachment of Streptococcus pneumoniae to Human Epithelial Cells by Recombinant PsaA and Anti-PsaA and Anti-bodies", Abstracts of the General Meeting of the American Society for Microbiology 101:346.
V		VAN DER POL et al., "Pneumococcal Capsular Polysaccharide-Specific IgA Triggers Efficient Neutrophil Effector Functions via FcαRI (CD89)", Journal of Infectious Diseases, 2000; 182:1139-45.

  

EXAMINER /Kerima Maasho/	DATE CONSIDERED 07/13/2007
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\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.